

From boatanchors@theporch.com Sun Feb 5 22:15:34 1995
Date: Sun, 5 Feb 1995 18:29:15 -0600
Message-Id: <199502060028.SAA10595@ivy.bga.com>
From: Henry van Cleef <vancleef@bga.com>
Subject: 7J7/6J8 detail tube data needed

I'm doing a little circuit design around a 7J7 triode-heptode mixer tube and need some detail data that is not given in the summaries in the RCA, Sylvania, or GE characteristics manuals. If someone who has a copy of one of the data sheet manuals could help me out, I'd much appreciate it. A 7J7 is an octal 6J8, therefore, 6J8 data is applicable.

What I need to know are:

Triode section transconductance, plate resistance, amplification factor. Any two of these three will give the other. Characteristics around 100 and 150 plate volts, if there's a difference.

Transconductance of the signal section (G1) operated with oscillator disabled. This should be around 1000-1200 micromhos I think, but am seeking confirmation. This is a variable-mu grid, so need value for at least one point of grid bias; two or three would be even better.

Thanks for the help.

From boatanchors@theporch.com Sun Feb 5 17:37:08 1995
Date: Sun, 5 Feb 1995 10:42:47 -0600
Message-Id: <Pine.SUN.3.91.950205113332.29790B-1000000@access4.digex.net>
From: Tony Stalls <rstalls@access.digex.net>
Subject: Re: An idea to kick around...

On Sun, 5 Feb 1995, Fire Bottle archive handler wrote:

> Mr. T comes up with a pretty good, albeit half-baked, idea:
> > What I'm getting at should be obvious by now. How does everyone feel
> > about the idea of a BOATANCHORS network gathering? I for one would
> > like to meet some of the folks on this echo, and I'm sure I'm not
> > alone in that desire.

AND...

> > I suppose the obvious choice of location would be the Superhamfest, Dayton.
> Yep. We tried a meet last year. The AM forum was PACKED to the

> rafters, and the Friday Night FUNction was sparcelly attended...

Is there an off-site meeting place we could use? I've been doing volunteer work for a couple of non-ham groups ("The amateur is balanced...") and one of the things I have been doing is arranging about 30 or so group dinners per year. Neighborhood restaurants love to have groups of 25-30 or so come in, so if we don't have many more BA'ers than that at Dayton, it should work.

Those things are usually easy to set up, so if there's a way to get the word out about the time and place at the Hamvention, that's one way to get together.

Comments?

73,

Tony
K4KY0

From boatanchors@theporch.com Sun Feb 5 11:43:09 1995
Date: Sun, 5 Feb 1995 07:35:13 -0600
Message-Id: <9502051334.AA06154@cybernetics.net>
From: ab4el@cybernetics.net (Stephen Modena)
Subject: Astatic D104 + TS-430-S

If you know how to correctly wire an Astatic D104 microphone to a Kenwood TS-430-S, please reply to me at my email address. TNX

(I guess a D104 is sort of boatanchor-ish :^)

--

73/Steve/AB4EL ab4el@Cybernetics.NET in Raleigh, NC 35.81245N, 78.65849W

From boatanchors@theporch.com Sun Feb 5 17:32:08 1995
Date: Sun, 5 Feb 1995 10:55:36 -0600
Message-Id: <Pine.3.05.9502051157.B8182-9100000@booz.bah.com>
From: k1zat@bah.com
Subject: Re: Astatic D104 + TS-430-S

Stephen

> If you know how to correctly wire an Astatic D104 microphone
> to a Kenwood TS-430-S, please reply to me at my email address. TNX
> (I guess a D104 is sort of boatanchor-ish :^)

I have mine connected to a TS-430-S. What sort of instruction are you looking for ?

jd

From boatanchors@theporch.com Mon Feb 6 01:09:50 1995
Date: Sun, 5 Feb 1995 22:25:24 -0600
Message-Id: <8A2F46A.000400F184.uuout@freddy.supernet.ab.ca>
From: shaun.merrigan@freddy.supernet.ab.ca (SHAUN MERRIGAN)
Subject: BA BIO

Since several other relative "newcomers" to the list have given brief bios as a form of introduction, I offer the following:

I first got interested in radio with a crystal set ("Science Experimentor" or something like that) around age 9 or so. I can remember stringing wires all over the yard to get better reception. My first "real" radio was not a BA (this was about 1972) but a Radio Shack DX-150A. By then (12) I new a bit more about antennae, and did not string things up randomly, but I but up my first properly strung longwire. My first exposure to BA's (1974) was when a friend of mine called me breathlessly (a fellow SWL) to say he found a shop selling surplus military radios which had tubes. Well, we had both heard the hushed tones and reverence with which people referred to the R390A (that was our dream rx, used by all the top DX'ers) so we snapped up two of them, and lugged them home (all 70lbs or so) only to find that we had to build a power supply (hv and filament) for them. They were Marconi CSR5's, and I still recall the feeling when I had when I got mine running. I was a straight superhet (nothing like the R390A) but it spoiled me for the sturdy, quality, construction techniques used in military grade equipment. The filters (crystal, I think) were much better than the filters in the DX-150A.

Well, I was hooked, and the BA's started coming thick and fast after that; CR91A, AR88LF, BC221-AE. AR88's were selling locally for about \$75 in the late 1970's, so I became quite familiar with them. I thought I was in DX heaven using an AR-88, and BC221- wow. I finally did get an R390A (in 1987), which led me to the HSN (Hollow State Newsletter) as a subscriber and contributor, and to treasuring boxes of old CQ's and 73's from the 1950's and 1960's. Even my "kitchen radio" is a BA; an old Stromberg-Carlson Model 561 !

I enjoy restoring, repairing, tinkering, modifying and "bringing back to life" BA equipment. Much of my activity has been put on hold because of my studies, but I am looking forward to applying my EE knowledge to BA circuits.

Shaun P. Merrigan
shaun.merrigan@freddy.supernet.ab.ca
merrigan@nyquist.ee.ualberta.ca

2nd Year EE/University of Alberta
"Resistance is Futile,
Conductance is 1/Futile
Susceptance is dangerous
Admittance is out of the question"

* RM 1.3 01775 * Lost - One Tagline - old, but very cuddly.

From boatanchors@theporch.com Sun Feb 5 11:39:38 1995
Date: Sun, 5 Feb 1995 08:20:31 -0600
Message-Id: <950205091658_13461995@aol.com>
From: Scgilstrap@aol.com
Subject: Re: BA Quote of the Year (so ...

>> "There is a certain grace of imperfection permeating boatanchor operation."

I second the nomination. I had to laugh out of appreciation when I read that one.
Aptly put Kevin.

And the rest of Kevin's statement:
> the fact that you have to use 3 hands to make the thing fly.

I'll bet a lot of us have felt this way. Kevin's comment reminds me of my old Knight Kit T-150 transmitter when the VFO decided to go for a walk in the middle of a QSO. It didn't chirp, it would seem to whoop as one tried to follow it around the band. I sure could've used an extra hand at those times to try to hold it on one frequency.

Stan, WB5LBH

From boatanchors@theporch.com Sun Feb 5 22:33:07 1995

Date: Sun, 5 Feb 1995 18:53:10 -0600
Message-Id: <m0rbHU0-0007RpC@beacons.cts.com>
From: Kevin Sanders <kevin@beacons.cts.com>
Subject: Re: BA Quote of the Year (so ...

> And the rest of Kevin's statement:
> > the fact that you have to use 3 hands to make the thing fly.

Actually I was thinking of the first few QSOs I had with the Ranger and HQ140. I had built a QAD (quick'n'dirty) switch for the antenna input and it was a bit short in the isolation department. My QAD fix for this was to use a second switch in series to attenuate the TX signal further for the RX. Still didn't help enough. So to switch from RX to TX I had to flip two antenna switches, decrease the RF gain, and enable the transmitter, while positioning my hand on the key for that first "R" ;-)

I've now got a better switch, and now I'm working (if I ever get some time again) on a TX/RX switch and tuner combination, to be switched using the infamous 110VAC TX/RX switch port on my Valiant I. So I guess I truly am lazy after all ;-)

Kevin Sanders, KN6FQ (SDG)
kevin@beacons.cts.com

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Try Boatanchors
For A Real Lift

From boatanchors@theporch.com Mon Feb 6 02:59:04 1995
Date: Mon, 6 Feb 1995 00:11:54 -0600
Message-Id: <9502051130.aa07338@jackatak.theporch.com>
From: Fire Bottle archive handler <firebot1@jackatak.theporch.com>
Subject: BA Quote of the Year -- and what touched me

Gang-

> > "There is a certain grace of imperfection permeating boatanchor
> > operation."

> And the rest of Kevin's statement:
> > the fact that you have to use 3 hands to make the thing fly.

This simple thought has touched off a very interest flow of ideas. I believe Kevin has touched the "lost cord" of boatanchors. It is exactly this grace of imperfection and the very large degree that our own personal *involvement* is required to make things happen that provides the main draw for me...

Perhaps this may come across as "elitist", but it is NOT meant to be. I feel as though *ANY* (and some would substitute "EVERY" ;^) idiot

can buy a microprocessor controlled radio with all the doo-dads and "features" so the appliance does the entire contact... most probably even managing the main thought input of the QSO as well... it sure sounds that way to me.

However, with a boatanchor, the operator is very much involved, often, as Snaproll Stan reminds us with his story of the Knight T-150:

> I'll bet a lot of us have felt this way. Kevin's comment reminds me
> of my old Knight Kit T-150 transmitter when the VFO decided to go for
> a walk in the middle of a QSO. It didn't chirp, it would seem to
> whoop as one tried to follow it around the band. I sure could've used
> an extra hand at those times to try to hold it on one frequency.

Needing lots of hands, knowing how to dip and load and dip to put "fire in the wire"... having to constantly tinker, just a little bit, to make the damn things work properly... all this has taught me a great deal about radio, operating, and hamming... and when it comes together, and my three or four hands have everything in tune and fire belches forth and filaments glow and even the plate lights up just a tad (voice peaks used to make a really neat "aurora" spread across the plates if I kept the room dark... which, of course, I did... just for that effect! ;^) there is a certain feeling of being "centered", of being in the "zone"... of having the "Force" working *with* and not against... no appliance operator will ever know that bliss, and it is their loss... and our gain.

Before I ever made my first contact, I fired up my transmitter, a breadboard adaptation of an early Handbook design, built from parts scarffled from discarded old firebottle receivers replaced by newer and smaller models... Ya couldn't put a "tuning eye" Zenith on the kitchen counter!... and got no answer... no matter how long I tried, there was no one coming back to my peanut whistle "CQ".

Wondering if RF was actually making its way through the Fahnstock clip to the antenna, I reached out and grasped the end-fed wire leading out the window and into the elm tree in the front yard. Key down, and YEEEEEE00000WWW!!!! Yep. RF is sure getting there! My first RF burn came before my first contact, and with no elmer to direct me away from the "fire in the wire" I learned, firsthand, how it was so aptly named.

I can not begin to explain the sense of elation that took the pain away from my hand. That RF burn was a badge of honor for me... I had built a transmitter that WORKED! All on my own, no help... and now *all* I had to do was figure out why it wasn't attracting other Hams. (A friendly note from an "Official Observer Station" served to help me modify my frequency generation scheme, was my very first QSL, and set

me on my way toward WAS-00S! ;^)

Even though nothing happened "good", and as painful as that was, it marked a success! An achievement! It was MAGIC! And, it was imperfect, but wonderful all the same. And, if I were to start out today, with a shiney new YaKenCom and all the digital bells and whistles, would any of you be surprised if I found no magic? No draw? No thrill? And, would you be surprised to learn I gave up radio for a computer? For me, it is the magic of needing three hands, lots of luck, and the skills developed during a long apprenticeship, that make operating fun, exciting, and a thrill...

That also explains my car, which sports a broadcast tower sized mobile antenna system, and my goal of working a DXCC on 80 meters from the car. I don't care if they won't endorse it as "mobile"... *I* will know, and that's what counts... to me.

73 ES TNX FER MEMORIES

--

Jack, W4PPT/Mobile (75M SSB 2-letter WAS #1657/#1789 -- both all mobile! ;^)
- - - BoatAnchor Mailing List Archiver/Owner - - -
firebot1@jackatak.theporch.com - "Plus ca change, plus c'est la meme chose"

From boatanchors@theporch.com Sun Feb 5 19:19:52 1995
Date: Sun, 5 Feb 1995 16:11:29 -0600
Message-Id: <199502052210.RAA29614@mocha.eng.umd.edu>
From: Philip Gwynne McCoy <dgnova@Glue.umd.edu>
Subject: BC430

The BC-430 as you guessed, is the predecessor of the SCR-274N. I have the manual and if you will send me your mailing address, I will send you the wiring diagram. The frequency range, if you have the whole coil set is 2.5 mhz to 7700 kilocycles. The receiver is BC-(*)-429, the antenna switching relay is BC-(*)-198, the receiver control box is BC-(*)-231, the xmitter control box is BC-(*)-232 the dynamotor is the BD-93. There is a 12 volt version too. The whole set is the SCR-AR-283.
Fair radio used to carry them, and still has some parts.
The instruction is TM-11-200

From boatanchors@theporch.com Sun Feb 5 19:27:43 1995
Date: Sun, 5 Feb 1995 16:17:12 -0600
Message-Id: <199502052216.RAA29704@mocha.eng.umd.edu>
From: Philip Gwynne McCoy <dgnova@Glue.umd.edu>
Subject: BC430A

This is the second message. I for got to include my email address. It is dgnova@eng.umd.edu

The BC-430 as you guessed, is the predecessor of the SCR-274N. I have the manual and if you will send me your mailing address, I will send you the wiring diagram. The frequency range, if you have the whole coil set is 2.5 mhz to 7700 kilocycles. The receiver is BC-(*)-429, the antenna switching relay is BC-(*)-198, the receiver control box is BC-(*)-231, the xmitter control box is BC-(*)-232 the dynamotor is the BD-93. There is a 12 volt version too. The whole set is the SCR-AR-283. Fair radio used to carry them, and still has some parts. The instruction is TM-11-200

From boatanchors@theporch.com Mon Feb 6 00:04:19 1995
Date: Sun, 5 Feb 1995 21:01:16 -0600
Message-Id: <Pine.3.89.9502052010.A22799-0100000@world.std.com>
From: Bob Burton <bburton@world.std.com>
Subject: Cold Storage of Radios

Is it acceptable to store boatanchors in cold, dry places?

I have an attic over an unheated garage in Michigan. It is a dry, protected location that is often below freezing in the winter and hot in the summer.

Should I avoid storing radios in this environment? If I do store them there, should I leave them exposed to the air?

Thank you in advance for any advice.

Bob Burton, W8W0
Caledonia, MI
bburton@world.std.com

From boatanchors@theporch.com Mon Feb 6 01:32:17 1995
Date: Sun, 5 Feb 1995 22:54:46 -0600
Message-Id: <Pine.SUN.3.91.950205235348.12718A-100000@access4.digex.net>
From: Tony Stalls <rstalls@access.digex.net>
Subject: Re: Cold Storage of Radios

On Sun, 5 Feb 1995, Bob Burton wrote:

> Is it acceptable to store boatanchors in cold, dry places?

If they're really dry. It has been my experience that steel cabinets tend to rust over time. My theory is that as it warms up, the cabinet, being colder, causes moisture from the humidity to condense on it.

I would put it in a plastic bag and seal it air tight.

73,

Tony
K4KY0

From boatanchors@theporch.com Mon Feb 6 02:56:34 1995
Date: Mon, 6 Feb 1995 00:07:35 -0600
Message-Id: <aa.8986.200@com2bbs.com>
From: john.moriarity@com2bbs.com (John Moriarity)
Subject: Re: Costas Loop

Russ,

The reference you are looking for is: Synchronous Communications,
by John Costas, Proceedings of the IRE, December 1956, pages
1713 to 1718.

The Costas loop is currently used as a detection method for
Spread-Spectrum communications systems.

73,

John, K6QQ

COM2: BBS	sysop: Sean Azhadi
San Diego, CA.	Internet: sysop@com2bbs.com
619.737.0495 BBS 12 Nodes	Info: info@com2bbs.com
619.737.9659 voice	

From boatanchors@theporch.com Sun Feb 5 19:42:37 1995
Date: Sun, 5 Feb 1995 16:15:12 -0600
Message-Id: <9502052214.AA29058@kali>
From: Andy Wallace <wallace@mc.com>
Subject: dial cords, R-388 filters, cap rejuvenating

Sorry for the old old replies. I have been letting my mailbox
pile up lately!

--Andy

>>From: Nick England <nick@cs.unc.edu>
>>Subject: R-388 conversion kit

>>For those who wanted to know the straight poop:

>>My R-388 has the following installed:

>>"Collins Mechanical Filter Conversion Kit"

>>Type No. 354A-1

>>522-9046-002

>>I only have the F 500 B 14 filter but there are sockets for two more.

>>So now you know what it is when you find a batch of 'em at the next
>>hamfest :-)

Oh, I doubt I'd be so lucky, but I guess I will keep my eyes open for them. I will add this to my little spiral-bound notebook that I take to the 'fests. Wish someone would find that magic Collins notebook that lists all the filter specs. Hey, how about a filter list, like the mil list and the 390A survey? Pop the receiver lids and check the numbers. That would eliminate some of the guessing for those of us who are unfamiliar with such things (and don't own A or S-line stuff).

>>Nick KD4CPL, cross-eyed from correcting the mis-strung dial cord on the
>>SX-42 I got Sunday. Man, stringing dial cord can be a chore in normal
>>times, but when you are starting from something that isn't quite right
>>it can be a real adventure. I finally figured out the weird bandspread
>>arrangement on this thing - capacitor turns clockwise for some bands and
>>counter-clockwise for others - all you gotta do is string two dial cords
>>correctly and align the capacitor, two dial cord drums, and the dial on
>>their respective shafts. Whew! But it sounds Great! What fun
>>resurrecting old radios is !!

Yep. I had been searching for a National NC-98 for a long time, and finally found one at the Deerfield, NH fest a few seasons back. I stayed up 'til 3 a.m. restringing the dial cord for the bandspread, without a manual, and generally cleaning up all the grime and dust from my \$33 treasure.

Such is the love we have!

>>From: "Jack Giehl" <JACKG@s1.xetron.com>

>>Subject: KWS-1 Restoration

>>Dear BA enthusiasts,

>>I am in the process of restoring a KWS-1. The internal cleaning has
>>been completed and I am in the RF alignment stage at this point.

>>Things I have checked / done:

>>1. Replaced molded paper capacitors with good quality mylar tubular
>> caps. I noticed an immediate decrease in transmit audio background
>> noise, and much improved ALC operation.
>>2. The alignment of the slug rack was properly lubricated, moves
>> freely, and returns to the proper position for a given frequency.
>>3. Performed alignment per manual instructions with expected results
>> except: The 80 meter trap alignment has the variable cap at the trap
>> dip at either max or min capacity(I'll find out tonight), so I
>> will tweak the
>> fixed capacitor in parallel so that the trap variable cap is
>> in range. This
>> should improve the trap performance.
>>4. I am performing some tube replacements. I swapped several of the
>> 12AT7 tubes around, and got roughly the same results. But when I
>> installed a NOS tube I bought from Antique Electronic Supply in one of
>> the sockets, there was a substantial difference in final drive. I
>> borrowed a tube tester today and will test all of the tubes tonight
>> (except the 4CX250R finals).

Hope I haven't wasted bandwidth by quoting all that, but Jack
has done an excellent job of giving the rest of us worthwhile info. I'd
sure like to see other, ongoing, rig restoration posts like this one.

>>From: Dave=Sharp%Legal%Corp=Hou@bangate.compaq.com

>>Subject: re: Elctrolytics DE Nebraska

>>In all this conversation about electrolytic capacitors I haven't heard anyone
>>mention that old caps need to be "formed" when they are put back into
>>service. This is done by slowly bringing up the DC voltage on them over a
>>period of a few minutes. Large inrush currents will simply result in internal
>>heating and a large bang when they self destruct. The same explosion can be
>>had by simply hooking them up backwards.

I had thought of doing so with my rigs. How is this idea: use a
variac on the input, and replace the rectifier(s) with solid state
temporarily. (A variac on the input means a tube rectifier won't rectify
until it's up to temperature anyway! Using diodes means rectification
from the beginning.) Hang a meter on the output to monitor things...

The big question is assuming the caps aren't leaky or dried out,
HOW LONG should one do this, and at what voltage?

--Andy

P.S. Will reply to more later...my mailbox file is too big for my editor
at home!

From boatanchors@theporch.com Sun Feb 5 23:35:05 1995
Date: Sun, 5 Feb 1995 19:36:27 -0600
Message-Id: <Pine.3.89.9502051919.A22331-0100000@ozarks>
From: "C. Frank Gilmore" <fgilmore@ozarks.sgcl.lib.mo.us>
Subject: Re: dial cords, R-388 filters, cap rejuvenating

On Sun, 5 Feb 1995, Andy Wallace wrote:

>
> --Andy
>
> >>From: Nick England <nick@cs.unc.edu>
> >>Subject: R-388 conversion kit
>
> >>For those who wanted to know the straight poop:
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> >>My R-388 has the following installed:
> >>"Collins Mechanical Filter Conversion Kit"
> >>Type No. 354A-1
> >>522-9046-002
>
> >>I only have the F 500 B 14 filter but there are sockets for two more.
>
> >>So now you know what it is when you find a batch of 'em at the next
> >>hamfest :-)
>
>

> Yep. I had been searching for a National NC-98 for a long time,
> and finally found one at the Deerfield, NH fest a few seasons back. I
> stayed up 'til 3 a.m. restringing the dial cord for the bandspread,
> without a manual, and generally cleaning up all the grime and dust from
> my \$33 treasure.
>
> Such is the love we have!
>
>
> >>From: "Jack Giehl" <JACKG@s1.xetron.com>
> >>Subject: KWS-1 Restoration
>
> >>Dear BA enthusiasts,
>
> >>I am in the process of restoring a KWS-1. The internal cleaning has
> >>been completed and I am in the RF alignment stage at this point.

>
>
> Hope I haven't wasted bandwidth by quoting all that, but Jack
> has done an excellent job of giving the rest of us worthwhile info. I'd
> sure like to see other, ongoing, rig restoration posts like this one.
>
>
> The big question is assuming the caps aren't leaky or dried out,
> HOW LONG should one do this, and at what voltage?
>
> --Andy
>

Andy I'll make this brief...having trouble with the Pine Mail editor at my connection site.

1. There were at least two authentic Collins mod kits for the 388/J3. One was for two filters and the other (later model) was for three. I only saw one of the late models...bought it NIB from another dealer in '70. Lots of the other older ones. Also lots of bad filters for these! Got burned badly on five filters from a guy in Yellow Pages back in '68 (I never forget these things!) All five were bad. I sold two to a fellow in Oklahoma and between here and there one went bad. In talking to one of the guys at Cedar Rapids during that era he said they were not nearly as mechanically rugged as the later filters for A4s and S Lines. I would have to agree because I never saw a bad S line filter and only one bad A4 unit....it had blow by internally. CW of course. I had run it for a couple of years before this occurred.
2. On restoring the KWS-1. The only reoccurring problem I had with my last one was the sliver mica capacitors across the coils in the various lower level tuned stages. Must have been a bad production run or vendor problem. I lost several, none actually quit...they just shifted value badly to where the coil couldn't compensate. Some were bearcats to replace.
3. Was your NC-98 the rare model with the SWL bandspread dial glass??? Not many of those produced. If I ever see one will latch onto it.

73, de Frank K0JPJ ex-W5PVX-.-

From boatanchors@theporch.com Mon Feb 6 03:54:32 1995
Date: Mon, 6 Feb 1995 01:12:43 -0600
Message-Id: <199502060713.BAA12600@quake.xnet.com>
From: mshaum@xnet.com (Mark Shaum)
Subject: Re: FPM-300 drive belts

> In re your drive-belt problem, you'll find the Small Parts, Inc.

>catalog of use. They list all sorts of handy small chain & sprocket, belt
>and pulley and cord-type drive hardware, much of it suitable for the

Many thanks for the tip, Bobbi! I came up with a kludgy solution Saturday while visiting a Sears hardware outlet. They have a toothed belt designed for hand vacs, which perchance had the right tooth spacing to fit four stacked 3/8 inch dia external tooth star lockwashers. I super-glued the stack of lockwashers together with a quarter inch shaft collar (also from Sears hardware). Cutting the belt down to size and gluing/sewing it to fit with minimal holes in my thumb was a chore, but it worked.

I have my reservations about the super-glued washer/collar stack holding over time, so I'll send for the Small Parts catalog asap for a more 'elegant' solution. Then again, if the glue holds to the metal as well as it sticks to my fingers, the FPM will be set for another 20 years of life <grin>.

73! - Mark, NE9G

From boatanchors@theporch.com Sun Feb 5 20:53:54 1995
Date: Sun, 5 Feb 1995 18:07:21 -0600
Message-Id: <199502060005.SAA01653@uro.theporch.com>
From: Jerry Proc <NGGTZKNK@admin.humberc.on.ca>
Subject: FSK AND FSC GEAR

Dear Members,

For the last two years I have been unsuccessful in locating some missing gear for the radio restoration aboard HMCS Haida a World War 2 destroyer moored in Toronto Ont.

Specifically, I am trying to locate a functioning or non-functioning Model FSC107 frequency shift converter and a Model FSK107 frequency shift exciter. I am told that there were thousands of these units produced during their heyday and many amateurs used them to get started in packet radio. All that I know is that they used a frequency shift of 850 Hz. and were employed by the Royal Canadian Navy for their communications.

Fair Radio in Lima Ohio. doesn't carry these. Can anyone offer assistance?

Regards,
Jerry Proc, Internet Student
NGGTZKNK@admin.humberc.on.ca
Humber College, Etobicoke Ontario

From boatanchors@theporch.com Sun Feb 5 20:45:49 1995

Date: Sun, 5 Feb 1995 18:08:14 -0600
Message-Id: <199502060005.SAA01657@uro.theporch.com>
From: Jerry Proc VE3FAB <NGGTZKNK@admin.humberc.on.ca>
Subject: Heathkit Service

Dear Members,

I have a Heathkit SB104 with a defective S Meter. Heathkit in Canada has been out of business for some time, however, I heard that they still provide limited service and parts out of Michigan.

Does anyone have the current address for Heathkit or it's appointed service agent ?

Regards,
Jerry Proc, Internet Student
NGGTZKNK@admin.humberc.on.ca
Humber College, Etobicoke Ontario

From boatanchors@theporch.com Mon Feb 6 01:04:54 1995
Date: Sun, 5 Feb 1995 22:30:13 -0600
Message-Id: <020595201816Rnf0.79b6@ham.island.net>
From: emd@ham.island.net (Robert Smits)
Subject: Re: Heathkit Service

Jerry Proc VE3FAB <NGGTZKNK@admin.humberc.on.ca> writes:

>Dear Members,
>
>I have a Heathkit SB104 with a defective S Meter. Heathkit in Canada
>has been out of business for some time, however, I heard that they
>still provide limited service and parts out of Michigan.
>
>Does anyone have the current address for Heathkit or it's appointed
>service agent ?
>
Jerry, last year Ken Schroder posted that you can still get some Heathkit parts at 616-925-5899.

I don't know if it's still active.

--
Robert Smits
VE7EMD
Ladysmith B.C.
e-mail: emd@ham.island.net

There is *no* idiotproof filter.
Idiots are proof against anything!
- Richard Chycoski, VE7CVS

From boatanchors@theporch.com Mon Feb 6 02:08:00 1995
Date: Sun, 5 Feb 1995 21:22:46 -0600
Message-Id: <Pine.3.89.9502052207.B27706-01000000@hamp>
From: Albert S Woodhull <aswNS@hamp.hampshire.edu>
Subject: Re: Heathkit Service

On Sun, 5 Feb 1995, Jerry Proc VE3FAB wrote:

> I have a Heathkit SB104 with a defective S Meter. Heathkit in Canada
> has been out of business for some time, however, I heard that they
> still provide limited service and parts out of Michigan.
>
> Does anyone have the current address for Heathkit or it's appointed
> service agent ?

As of July 94 they were still able to supply some parts for an HW-100.
The phone number for parts was then 616-925-5899.
The service was quite quick, as I recall. I suspect the relay I needed
might have been cheaper if I had ordered it by its P&B part number from
someone else, but I don't know where else I could have gone for the
rubber belts for the drive/preselector tuning. They weren't able to
supply some knobs I needed.

73, Al N1AW
Albert S. Woodhull, Hampshire College, Amherst, MA
awoodhull@hamp.hampshire.edu
woodhull@shaysnet.com
413-549-2962

From boatanchors@theporch.com Sun Feb 5 23:48:36 1995
Date: Sun, 5 Feb 1995 20:58:32 -0600
Message-Id: <950205213936_13927881@aol.com>
From: Randyc3@aol.com
Subject: HP606A RF Gen - Any users out there?

Just picked one up at a swap. It is in great shape, and came with original
manual.

I have some user questions, if anyone out there been using one . I am an
experienced, but rusty tech ... but it has been a while since I did any RF
work.

Thanks

From boatanchors@theporch.com Mon Feb 6 04:57:29 1995
Date: Mon, 6 Feb 1995 02:21:05 -0600

Message-Id: <Pine.3.89.9502060310.A538976354-01000000@wmich.edu>
From: X90GALBRAIT1@wmich.edu
Subject: Museum report, etc...

Greetings folks,

I was at my folk's home around Detroit over the weekend and visited the Henry Ford Museum in Dearborn (on the grounds of Greenfield Village). Besides my 'other' love (they have a mint 1959 VW Camper in an american dream type nature setting-ahhh.), this museum has an excellent collection of wireless technology stuff. For example, they had a display (actually several large cases) of vacuum tubes dating from the first audions up to octals. They ranged in size from miniature to massive watercooled power amp tubes--very impressive. Also, there was excellent accompanying text on the theory and evolution of the beloved firebottle. My girlfriend wasn't very impressed, but she's used to my passion (I always say, 'would you rather have me kept warm by old radios or another woman when you're away?'-works every time).

The museum also has a couple big spark type transmitters, and about every broadcast reciever you'd ever think of from the early 1900s to the seventies. The only ham type BA was an SX-28-nice choice for the genre, I thought--also the lack of ham BAs kept my mind from considering a liberation attempt :)

This one's definately BA tech-friendly.

Here's a timely grovel for my personal stash:

I'm in need of a manual or copy for a 75A2

Also, here's the list o' rigs I'm always on the lookout 'fer...

Nat'l NC-183D/spkr

Halli S-40/B, SX-42, SX-43 and R-46 speaker

Parts for a 300-500w AM rig (mod/plate transformer, 813s, sockets, etc..)

Johnson Matchbox

If anyone's got such 'surplus to their needs', etc.. I could offer green stuff or tradin'--I'll keep dreaming :)

Also, does anyone have the number for Radio Recyclers? I think they're in Milwaukee and deal in used ham gear.

73, Chris KA8WFC

From boatanchors@theporch.com Sun Feb 5 17:12:39 1995

Date: Sun, 5 Feb 1995 14:02:36 -0600
Message-Id: <9502051347.ZM1365@eehp04>
From: "Gregory Raven Redi" <ravengre@eehp04.comm.mot.com>
Subject: Need BC-AR-430 Info

Greetings Boatanchorites-

I have obtained a transmitter labelled "SIGNAL CORPS US ARMY RADIO TRANSMITTER BC-AR-430". It is about the same size as the ARC-5 command set transmitter.

It uses plug-in coil sets. One of the coil sets has a contract number indicating it was made in 1941. Looking inside, it has a 4 tube line up. 2 VT-25s and 2 VT-52s. The tuning capacitors are very similar to the command set's only about 2/3 the size. My best guess is that this was the ARC-5 command set predecessor.

None of my surplus conversion manuals had a clue about this set. Does anyone have any information on this transmitter? I would especially be interested in a schematic.

--
73,
Greg Raven KF5N
egr002@email.mot.com

From boatanchors@theporch.com Sun Feb 5 22:43:09 1995
Date: Sun, 5 Feb 1995 18:51:03 -0600
Message-Id: <9502060050.AA27112@kahuna.math.hawaii.edu>
From: jeffrey@math.hawaii.edu (Jeffrey Herman)
Subject: rec.radio.swap

Contact the original poster if you see something you like // Jeff NH6IL

>From: ham@wam.umd.edu (Scott Richard Rosenfeld) NF3I
For Sale: 6146W's From the last production run made in the US for the Military. These are Philips, US made in 12/86, and out of the boxes to be matched. They are 100% new and unused. Guaranteed good, in boxes (bar coded 5960-000-606565), and very rugged. Asking \$60 a pair.

>From: jdashner@crl.com (John Dashner) WA4CYB
Both a friend in S Africa and I need a pair of 572B's. Send info about trade needs or price and condition. The guy in S Africa would be readable on 40M every nite if he had his set ;-)

>From: cjohnson@aea14.k12.ia.us (Carl Johnson) KA0HLL
I am looking for a Drake MN4 antenna tuner.

>From: fireweed@alaska.net (Jeremy D. Lansman)
I need a working 8792/V1. This is a 1 kw tetrode good to 220 mHz, but that might be found in some older ham stuff. Similar tubes that might work for me are: 8792, 4651 7213, 7214, 4665.

>From: dsnowden@ccd.harris.com (Doug) N4IJ
I have a few transmitting tubes I don't think I will ever need, like 813's, sockets, etc. A request will provide a short list.

>From: fresaint@bb.iu.net (Mark Fresa)
Mostly used, some NOS.
Old, antique, hard to find.
Great for old radios, etc.
Email me for inventory/price list.
Tubes tested before shipment.

>From: jberenyi@cc.weber.edu (John Berenyi)
Hallicrafters SX 100 MKII
This unit comes with matching R48 speaker. In collector quality condition. Unit works perfectly and has never been touched internally. Comes with xerox of owners manual. Will sell for \$295 plus shipping.

>From: FPfeiffer <frank72@delphi.com>
Does anyone know a source for these tubes which I need for my beloved EICO ST-40? I've seen some for about \$33 each, but I think that's a bit much. I need four. Thank you very much. frank72@delphi.com

>From: morgan@speckle.ncsl.nist.gov (Roy Morgan!)
HQ-150 Chassis in cabinet, tuned circuits,
Front panel with knobs and meter - all NICE.
No sockets, resistors, etc., transformer.
HQ-140 Same as above but cabinet and front has been spray painted.
Some knobs missing
Wanted: BC-348, (OK if missing shock mount and cabinet)
Q-Multiplier for HQ-150

>From: les@ripco.com (Leszek Balla) KA9GLW
Drake TR4 w/ p.s. working on 10,15,20,40,80 m. at 80 watts.
Asking \$250 plus shipping.

>From: lstolz@freenet.columbus.oh.us (Lynn Stolz) N8AJ
Good condition Hallicrafters S-120 AM/SW receiver, based on the
All-American Five concept. It is clean, original knobs, very good cosmetic
and electrical condition. All you baby-boomers out there that would
like a trip down memory lane (I did--twice--I've got two of them) won't be
disappointed. \$50 + shipping - includes a copy of the service/mnl.

>From: lstolz@freenet.columbus.oh.us (Lynn Stolz) N8AJ
Drake R8/R8E service manual. I'll ship for \$25.

From boatanchors@theporch.com Sun Feb 5 22:22:13 1995
Date: Sun, 5 Feb 1995 18:28:33 -0600
Message-Id: <Pine.SUN.3.91.950206113007.4285B-1000000@eram.esi.com.au>
From: Dave Horsfall <dave@esi.com.au>
Subject: Re: Surplus and TVI

On Sat, 4 Feb 1995, Hugh D. Stegman wrote:

> On Thu, 2 Feb 1995, paul Veltman wrote:
>
> And as I discovered, you can be half-way around the world, with the home
> station switched off, and still be accused of causing TVI...

Actually, I wrote that.

--

Dave Horsfall (VK2KFU) | dave@esi.com.au | VK2KFU @ VK2AAB.NSW.AUS.OC | PGP 2.6
Opinions expressed are mine. | E7 FE 97 88 E5 02 3C AE 9C 8C 54 5B 9A D4 A0 CD

From boatanchors@theporch.com Sun Feb 5 23:16:39 1995
Date: Sun, 5 Feb 1995 19:28:17 -0600
Message-Id: <Pine.SUN.3.91.950205202516.27629A-1000000@access3.digex.net>
From: Tony Stalls <rstalls@access.digex.net>
Subject: Re: Surplus and TVI

On Sun, 5 Feb 1995, Dave Horsfall wrote:

> On Sat, 4 Feb 1995, Hugh D. Stegman wrote:

>
> > On Thu, 2 Feb 1995, paul Veltman wrote:
> >
> > And as I discovered, you can be half-way around the world, with the home
> > station switched off, and still be accused of causing TVI...
>
> Actually, I wrote that.

And truer words were never spoken! Another ham friend back in Nashville
a good many years ago told me about his neighbor blaming him for causing
his washing machine to break down.

From boatanchors@theporch.com Sun Feb 5 23:48:18 1995
Date: Sun, 5 Feb 1995 21:12:40 -0600
Message-Id: <Pine.3.05.9502052239.A13349-a100000@booz.bah.com>
From: k1zat@bah.com
Subject: Re: Surplus and TVI

> And as I discovered, you can be half-way around the world, with the home
> station switched off, and still be accused of causing TVI...

> Actually, I wrote that.
> And truer words were never spoken! Another ham friend back in Nashville
> a good many years ago told me about his neighbor blaming him for causing
> his washing machine to break down.

My best one was when I stationed in Germany and on temporary duty in
Turkey, the neighbor four stairwells over came over to the YF and
complained about my radios causing her false teeth to hurt and
her toaster to burn the bread. Sigggh.

jd

From boatanchors@theporch.com Sun Feb 5 20:48:05 1995
Date: Sun, 5 Feb 1995 17:58:22 -0600
Message-Id: <950205235606_72411.533_HHB58-1@CompuServe.COM>
From: Joe Roberts <72411.533@compuserve.com>
Subject: Trade list

FREE STUFF FOR THE NEEDY

- B&W 350 octal phase shift network

- Crystal from BC221AH
- TM11-SCR 211AH Freq meter manual

TRADE BAIT

- STANCOR A-3898 Poly-Pedance mod xfmr 300W (attached to HB 810 modulator)
- B&W CX118 750W butterfly transmitting cap. Takes HDU plug in coils. Built in neutralizing caps for 811s, 810s, etc. Beefy looking sucker. (Attached to HB 810 RF deck)

WANTED

- Plastic "washer" for the oldham coupler in the T-368 exciter module
- Clegg VHF gear, particularly a nice THOR 6m transceiver
- Manuals for EICO 342 multiplex generator and EICO 955 in-circuit cap tester
- Manual For Rhode and Schwarz ESD VHF/UHF monitoring receiver (Any suggestions welcome. Tek, US service rep for R & S, didn't know what I was talking about when I called.)
- Rhode and Schwarz HF and VHF receivers

Joe Roberts N4WQC
 Austin, TX
 sp@tpoint.com
 512-339-6229

From boatanchors@theporch.com Sun Feb 5 16:40:51 1995
 Date: Sun, 5 Feb 1995 10:41:21 -0600
 Message-Id: <199502051639.LAA11048@Shiva.COM>
 From: John Shriver <jas@shiva.com>
 Subject: TV-7 Tube Testers

(1) My TV-7/U was made by Supreme. I think it was just a Hickock design. Made by lowest bidder.

(2) I don't think there is any direct non-military equivalent. The TV-7(*)/U is much more compact (and thus cramped inside) than the typical commercial units. Also, it doesn't have a roll-chart, which was "de rigeur" in commercial ones.

(3) To the user, only the TV-7D/U is different. It has a "F" range, which is suitable for testing really high transconductance triodes, like the 5842/417A. The other tester models can test them, but with poorer scale resolution. (The test data book gives settings for both.) We're only talking about a handful of tube types that have different test data for the TV-7D/U.

Also, the higher models have more ferrite beads on the tube socket wires. This reduces the tendency towards oscillation. (A hot 6DJ8 may oscillate, a hot 5842/417A will definitely oscillate!)

Now, in terms of serviceability and maintainability, the later models are much better. I need to re-do the line calibration on my TV-7/U, and this requires soldering in selected resistors. On later models, there is a pot!

Also, a later model will be newer, and may have been dropped off a truck less times. (I've seen TV-7D/U's offered new in box, at a steep price.)

(4) Mine has clearly been dropped off a truck -- real hard. The front panel is bent from the stress the power transformer put on it when it was dropped. The only practical damage is that the acorn socket is broken -- big deal.

The unit is definitely built to military standards.

The biggest "reliability" problem would be a worn out socket. Be very tentative about buying one without socket protectors in place on the octal, 7, and 9 pin sockets. (Do try and get new Vector socket protectors, since you really don't even want to think about replacing a tube socket in this puppy. I said it was cramped!)

(5) They will test just about any pre-1965 receiving tube. The filament transformer is a bit feeble, so they don't give data on the 6550, since it really struggles to get the filament up to power. It won't test many transmitting tubes, but the Hickock testers won't either.

(6) There certainly are better tube testers available. There are newer Hickock designs with sockets for newer tubes (noval, magnoval, compactron, nuvistor, etc.). Other tube testers don't require you to translate arbitrary scale numbers to micromhos, and have larger easy to read meters. Other tube testers are prettier.

However, the TV-7(*)/U is damned compact, which matters in my basement.

Also, it comes with data for a lot of obscure tubes, which many commercial testers don't. Also, you can get a reprint of the data book from AES, although they didn't reprint the very last version.

In the military line-up, both the TV-2 (metered everything, made by CBS), and the TV-10 (like TV-7, but bigger), are more capable. I'm not up on the details of these.

If I had more space, I might consider a pretty gold-faced Hickock in its red leatherette case. (On the other hand, I really don't like roll charts!) They run about \$125 at fleas.

(7) Fair Radio is down to the rattier TV-7/U's. Definitely good value.

From boatanchors@theporch.com Sun Feb 5 16:51:33 1995
Date: Sun, 5 Feb 1995 14:05:22 -0600
Message-Id: <Pine.SUN.3.91.950205125618.29790D-100000@access4.digex.net>
From: Tony Stalls <rstalls@access.digex.net>
Subject: Re: TV-7 Tube Testers

I called Fair Radio about a week ago and they only have the plain vanilla TV-7's in stock at present.

Has anybody ever considered building a tube tester from scratch?

73 all...

Tony Stalls, K4KY0

From boatanchors@theporch.com Sun Feb 5 18:06:20 1995
Date: Sun, 5 Feb 1995 15:22:13 -0600
Message-Id: <199502052120.NAA21459@ix2.ix.netcom.com>
From: jlockwd@ix.netcom.com (Jim Lockwood)
Subject: Re: TV-7 Tube Testers

You wrote:

>(5) They will test just about any pre-1965 receiving tube. The
>filament transformer is a bit feeble, so they don't give data on the
>6550, since it really struggles to get the filament up to power. It
>won't test many transmitting tubes, but the Hickock testers won't
>either.

>

This seems to be true.

The TV-7 will test 811 tubes, for example, but the filament will not light up especially bright; in fact the fuse lamp lights up about as

bright as the filament on the tube being tested. Every 811 I've ever tested with my TV-7 reads weak yet in my amplifier the same tube will perform well. I chalk the discrepancy up to the low filament voltage.

73,

Jim - km6nk

From boatanchors@theporch.com Mon Feb 6 03:54:18 1995
Date: Mon, 6 Feb 1995 01:19:30 -0600
Message-Id: <Pine.3.89.9502052350.A20416-01000000@netcom2>
From: paul Veltman <veltman@netcom.com>
Subject: Re: what happened to logo?

>
> I traced the cover of a 1957 Burstein-Applebee catalog for the stylized
> 3-D BA with a lightning bolt through it. Perhaps that's another
> candidate ?
> Nick KD4CPL
>

Can you scan it in and post it? I would love to see it.

73

Paul WA6OKQ